Missouri Botanical Garden

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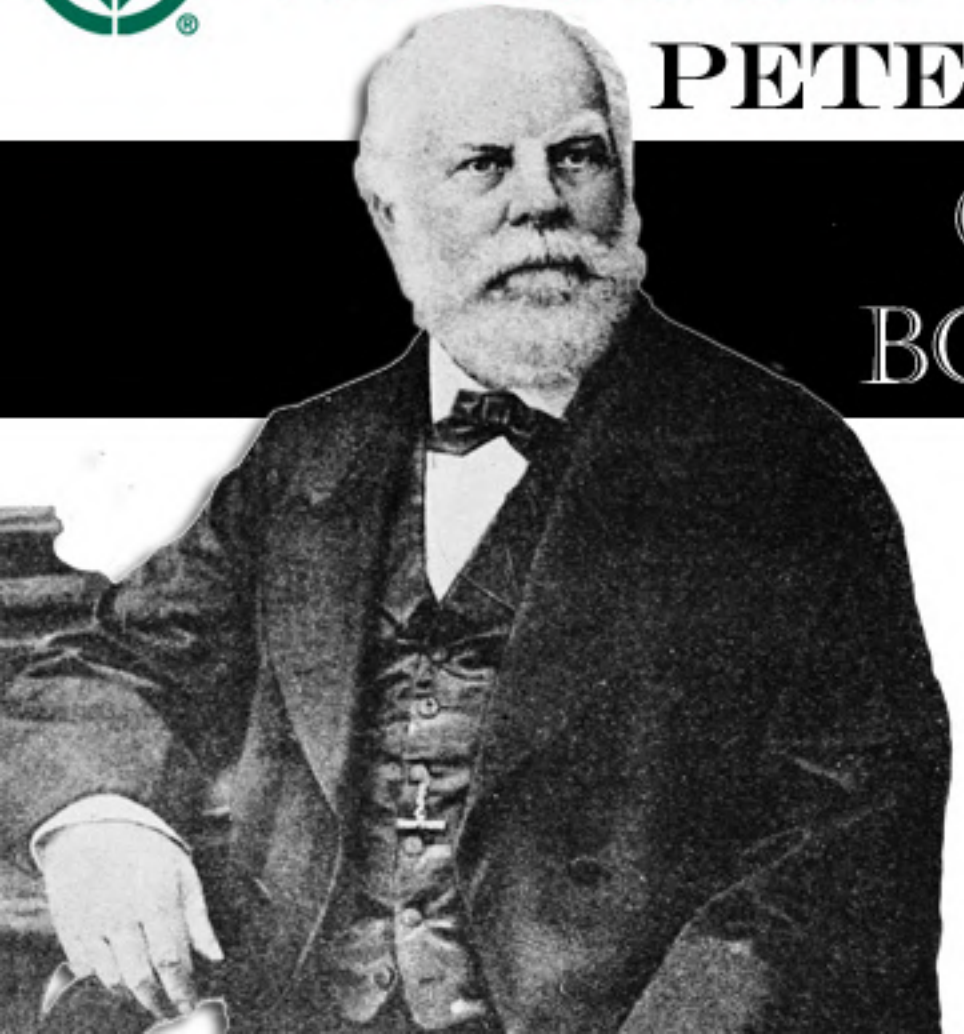

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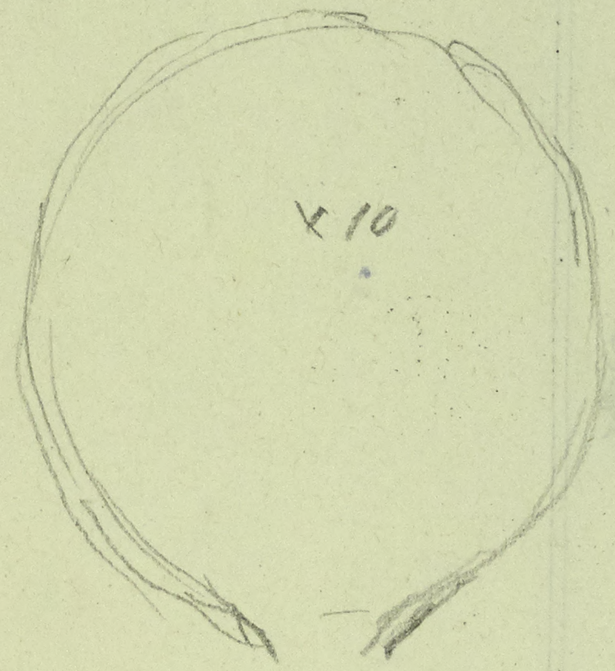
Pinus Jamesonii

Dec 30 1921

Winnipeg Valley, Benguet

3 styles

×10



×10

outer four loose hair, somewhat woolly

633

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GEORGE ENGELMANN PAPERS

G. F. ENGLEMAN, M.D.,

3003 LOCUST STREET.

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Pinus ponderosa Dougl

Dec 30 1881

Pend d'Oreille
Lyall

×10

Ochatts Pass
Calif
Brewer

×10

Cascade Mts
Lyall

×10

Petl

Cascade
Lyall
×10

calyx glabrous

5 flyers
slightly woolly
at base

634

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Dec 22 1821

Pinus sambuensfolia

Sukkdorf 1821

Dec 30 1821

Summit, California

Bolander

seed x10

3½ mm long

Light Brown

Smooth

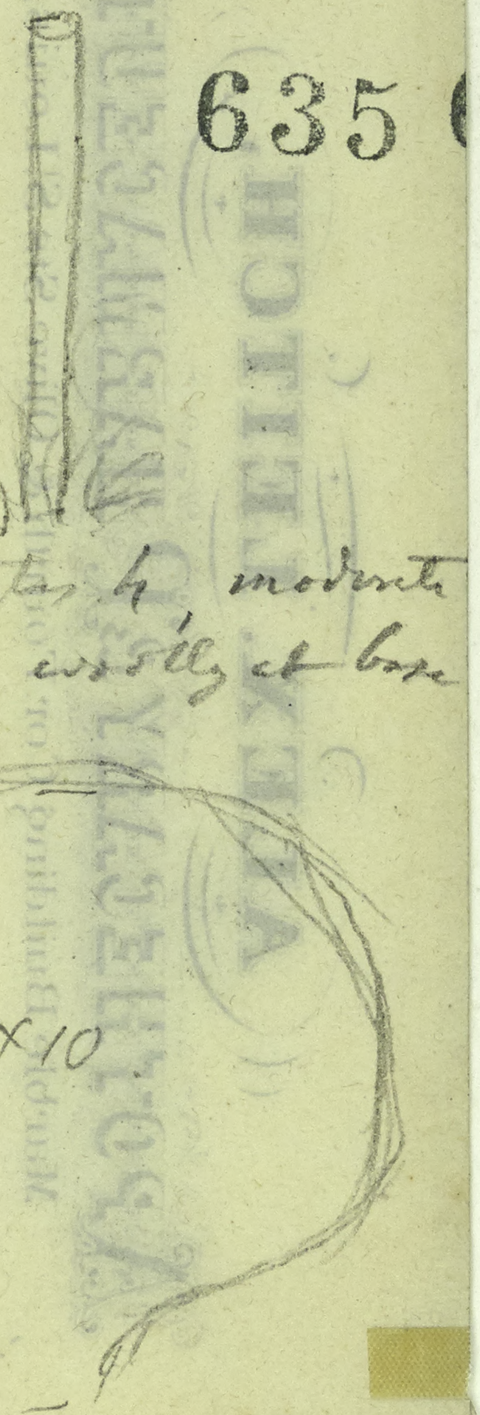
only one seed seen

in a fruit 7 mm

in diameter

4 styles

Colum ciliata



styles 4 moderately at base

x10

635

Botanical Museum Harvard University

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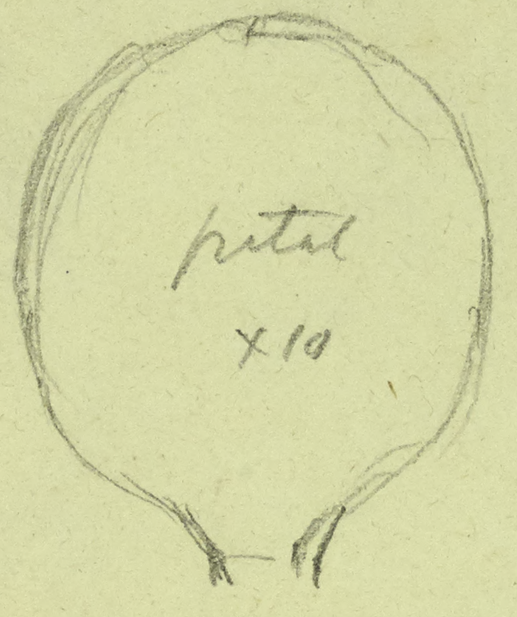
Pinus ponderosa Oct 30 1881

Wasatch Mts 351 Watson

X10

3 styles
woolly at base



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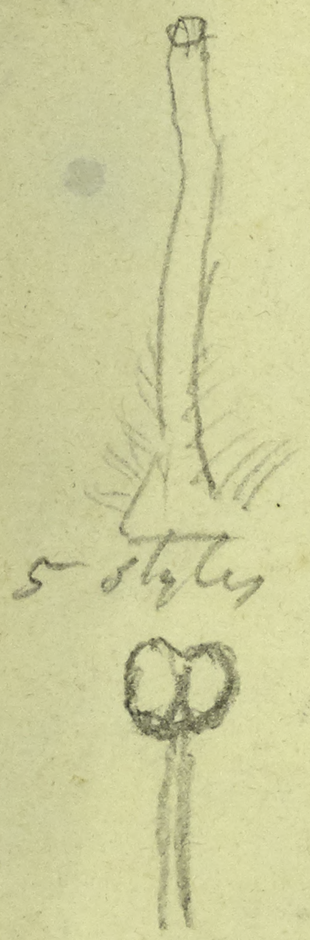
Pinus echinata Mill. Nov 8 1881

Bobcaygeon Ont. Canada Dept

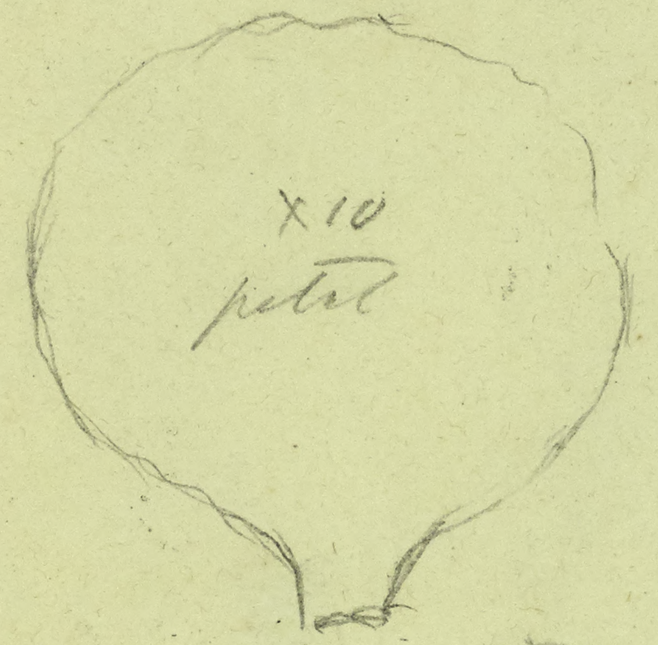
637



5 styles

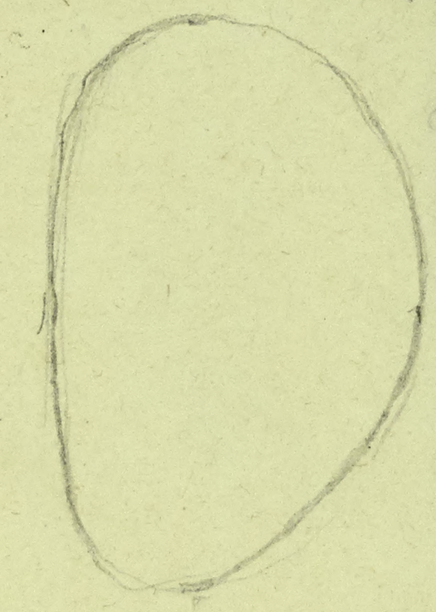
calyx glabrous
base of style pubescent

lobes of glabrous calyx rounded
shorter than hemispherical tube



flowers 9-10 mm diam.

5 seeds



3/4 inch long

light brown

smooth

long oval
5-seeded

6-8 mm thick

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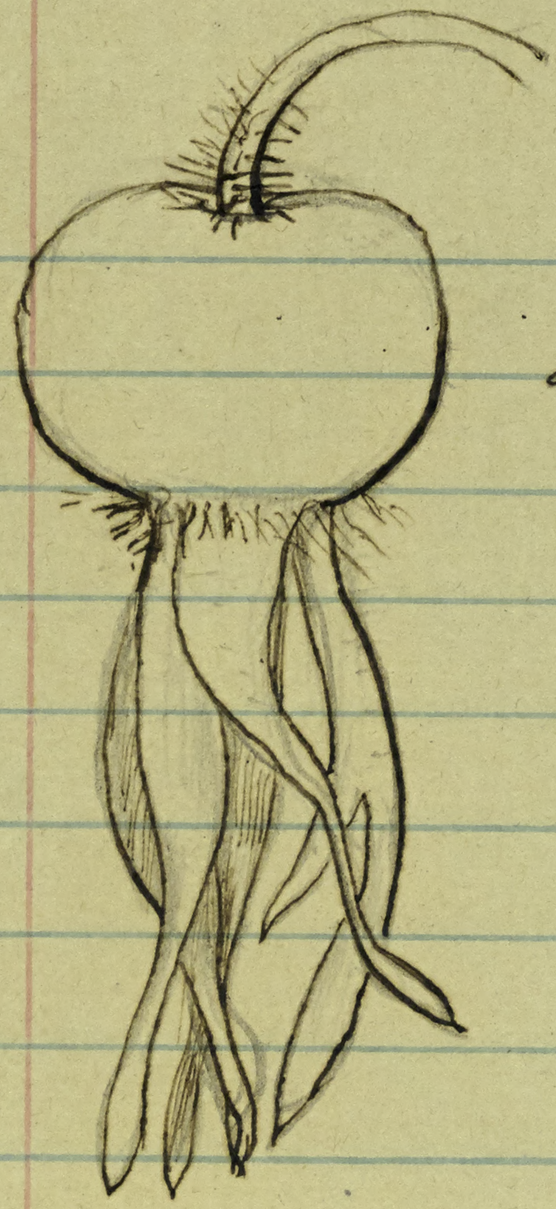

Rosa rugosa Brit
at Sargent's, Brookline
Aug 29, 1882

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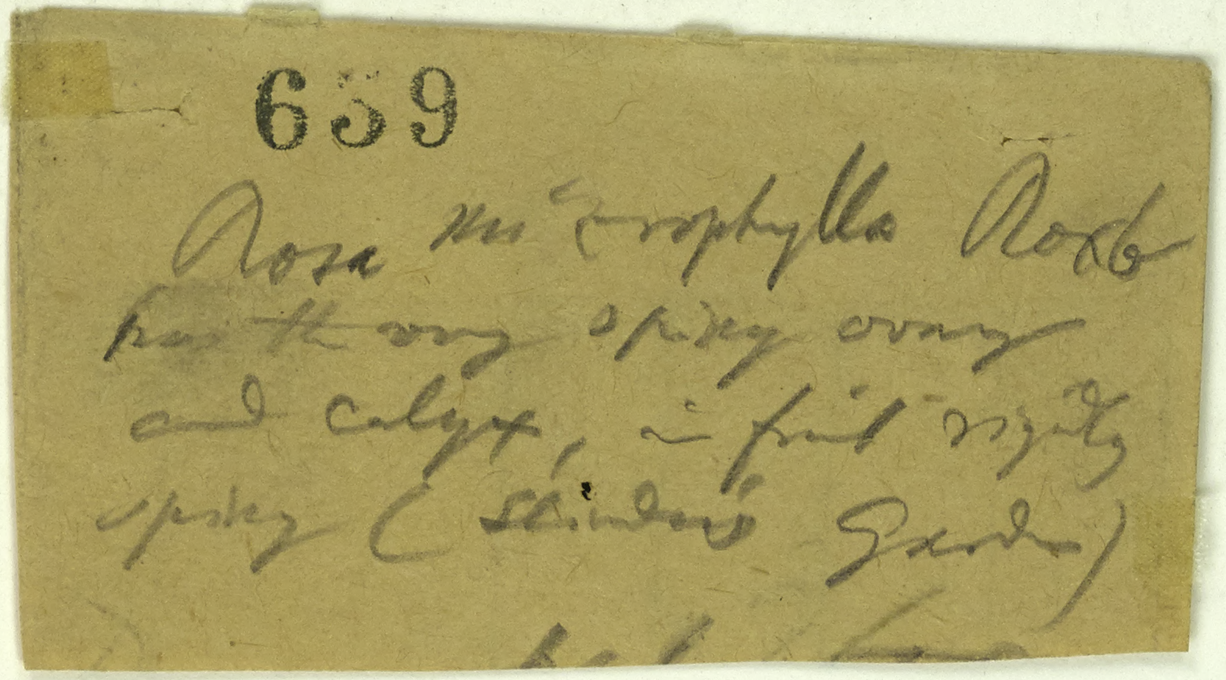

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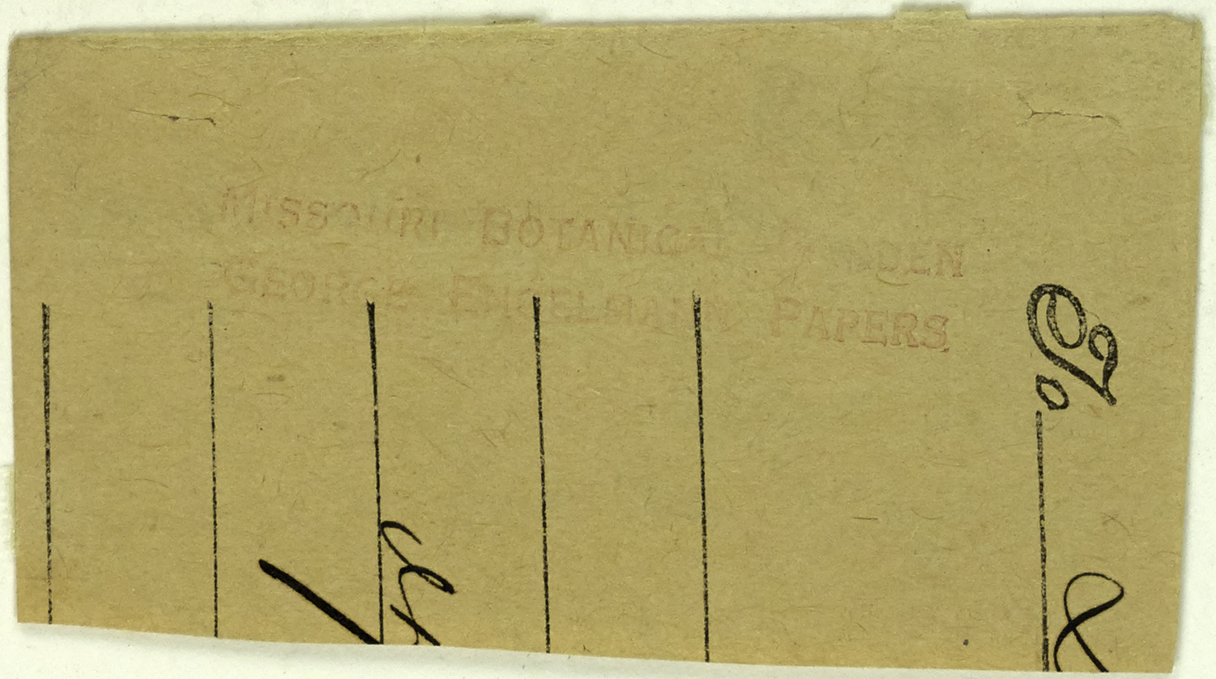
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Caddo Ary 1882

Contagious Gonorrhoea Sargt R Lyle

Shreveport La Letters 1882

Opelousas Louisiana Sept in April 1882 20 Aug

Webster Parish C. Mohr Nov 1880 fully ripe

Concord Texas C.S. Sargt. March 29 81

not yet in flower.

30.–50' h 12–28" Thrgh.

Western Louisiana & Eastern Texas (Sargt)

a Good sized Tree, 30 to 50 feet high and 1 to 1½ feet in diameter, bark smooth in old trees bearing thick & rough. Leaves thick alternate coriaceous petioled with midrib indistinct or sunken above & prominent beneath oval & oblong, Corolla or somewhat campanulate & 5 cleft obtuse or rounded with a short petiole & attenuated into a short petiole, & 5 spikes on the slightly pubescent branches very short (3-6 or 7 long) & stout, straight or more commonly curved & downy pubescent on flowers short; on the annual shoots on Leaves, Corolla petioled &c & spikes stout) very often terminating the shoots

640

& the upper ones, I only 3 or 4 & inclined & often arranged & whorled & entering & with a short (4–2½ & obconic, often cupshaped 1 in long), & slightly large, slightly & thick & pubescent & the & campanulate corymbs, & calyx & lobes ovate. Leaves entire (the upper ones 1½ to 2½ & 5. — fruit Depressed globose & dark with, black flesh & thin Pleasant & strong (round on the back) with two first grooves on the & compressed with

Thursday 24 Aug

Yales H. B.

Crataegus flava = glandulosa leaves fan veined
glandular on petiole, glandtoothed on edge
spathulate — upper leaves of shoots sometimes
rounded & toothed, large see below

Arnold entry Crataegus parvifolia spathulate & appressed
are well marked
C. flava from Arnold has thorns not glandular petiole,
but glandular edge of flower
C. parvifolia has rivulose leaves, also not fan
veined.

Crataegus has tendency to fanveined leaves

fanveined leaves	intermediate crataegus	feather veined all other Crataegus
flava		
parvifolia		

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Crataegus spathulate only instance, feather veined
leaves of shoots large coarse, Oxyacantha like
with large petioled stipules — Thorns sometimes
short & obtuse recurved (Tyx Lower Iowa)

stipule

Crataegus mollis Torrey Palmer Ks Aug 3rd
(Ky Edwards) Palmer Jun 77
C. Crus-galli Green Co Missouri Mrs D. Mg

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(Crataegus notes)

640A

2-4

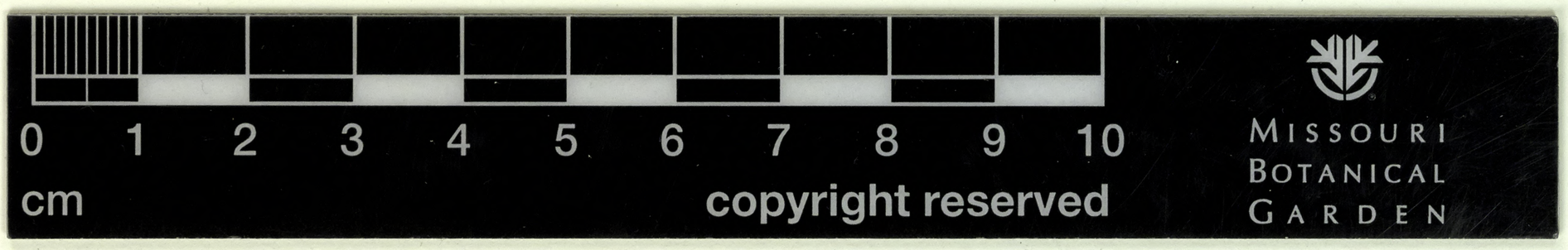
Cambridge, Mass.
Dec. 1. 1883.

Dear Mr. Engelmann:

Not long ago I made for the graduating class a very handsome edition of "Harvard and its Surroundings", containing forty [40] full page photographic views; all larger than cabinet photographs. All were made expressly for this subscription edition. They represent every building of all the departments of the whole University. The text was revised and several new pages were added. The book was carefully printed on fine paper, and was prettily bound with gilt edges. The subse was $4.00; and now as out my business, I offe one of the remaining co $2.50. As photograph the pictures would co $10.00. May I sen book for examination returned if not wante

I think you will l own it, as the book is a history and guide; souvenir and a photo album of the entire U as it is in 1883. Awa reply, I am,

Very truly



Crataegus Texana Buckley in Journ Botany

C. pyrifolia Ailon, Kew ed I, vol 2 p. 168

C. brachyacantha var fructu flavo, Lellerman Aug 1882

C. lobrophylla Flugge = C. Melanocarpa and
C. pectinata Ehll. - Hohenacker
Helenendorf

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Cambridge Aug 1882

C. Canbyi folio Tree or grey / pest glossy

Opelousas La Comptes — bright March 30. 81

not gok ÷ flowers —

Small tree — Branches dark ash-grey — Yg branches all the past

Spikes short straight (1½–2 in) Flowers

on spurs or short branches above deciduous

attenuate at base into a thick short petiole

oval and acute thorn of yg shoots ÷

the 3 on clusters ÷ with Linear glabrous

stipules — petioles veined —

simply serrate towards the upper part

entire below; leaves of yg shoots irregularly & doubly

or pinnatifid lobed. serrate

simply dentate with incurved teeth or pinnatifid lobes

Crenate

641

Corymb compound, woolly, calyx

lobes Linear lanceolate entire;

styles 3 fruit ?

Corymbs 2½. with bud, Carpenters

pencil flowers. pedicels 3/4 – 1½ long

glabrate form from Concord Jersey

~~glabrate from from Concord Jersey~~

Pedicels thickened by abortive ovules on a

growing vigorous shoot

petioles & pinnæ veined below

glabrate form with glabrous on

Leaves Lower Concord Pine Woods 29

less smaller Corymbs, 5 styles large

scarcely pubescent below

J. K. Bowers for Sargent — his own
G. Tomsitch " — "
G. Howard " — "
S. has my own Coniferae for his but
wants cutting s (Letterman) in Nov.
Vitis rupestris "
Cuttings of Vitis Gunnisoniana with old wood
Ephedra (Nevad. Ventura Calif.) all
5. Mex. wanted
Send Carleton's pappus — Comp. fl.
Herbarii sp of V. monticola
plants of Vitis monticola
rupestris
Seeds of Papaw
Specimens of Arctostaphylos (except manz.)

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Cambridge ~~May~~ 1882

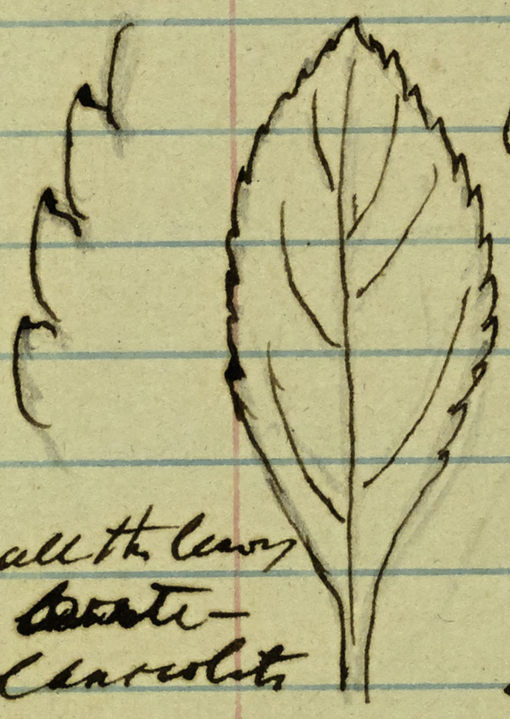
642

supposed to be spatulate and mixed with it

Drummond 105 N. Orleans Collected 1832

is in part C. crispina (if the label in Herb Gray refers here) Sporadic is placed with C. spathulata; the other specimen seems to be C. berberifolia, with truncate spines

C. vivularis* R Mts



all the leaves obtuse-lanceolate

Nuttall ex Herb Durand in Herb Gray

all leaves lanceolate

Leaves glabrous, teeth simple, often with unequal, with slightly glandulous tip; slightly hairy on upper side (not or few)

Watson's Nevada plant is the same but leaves larger, up to 2½ inches long (with longer petioles) spines stout 1–1½ inches long

Leaves never lobed. Stipules?

Another specimen is from Hard (from Glenwood, Utah); glabrous below slightly pubescent above; this is also the case in the typical C. Douglasii; leaves always doubly, mostly irregularly toothed stipules large spiny 1–2 inches long, stout

especially on shoots

C. vivularis from Jones 1 flower examined, 4 styles

Upper leaves only slightly 3 lobed (long shoots).

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9. Corniger has down which soon disappears like that of arbor and glabous or nearly glabous shade of T. H.

9. hirtus has the down of the leaves long and soft & radiating to petals & on tube

9. pungens Mt Zion Ill and Mt George Ala Jan 13 '77 has rapacet Corydalis

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for Mohr Dear Gattinger Penn (Prof.) Kingston Springs Sirkin Co Tennessee June 1881...

Cr. mellanis Jones has (surely) upper leaves slightly 2-lobed

Cambridge Aug 1882

643

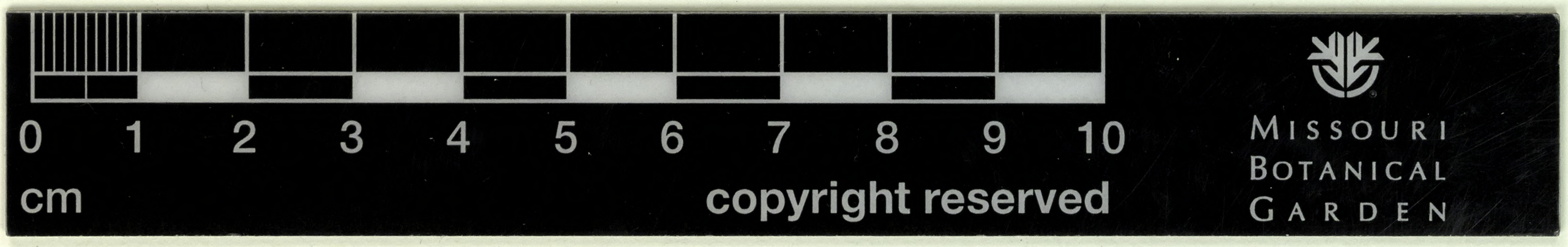
Cratægus flava = glandulose ; leaves pinnately veined glandular on petiole, glandular-toothed on edge - spatulate ; upper leaves on shoots sometimes rounded and lobed, large

A specimen from Réveuel has tomentose but not glandular petiole, but glandular calyx ("edge of flower")

C. parvifolia has also pinnate-veined leaves

C. arborescens has lower veins often also somewhat fanshaped

Cral. spatulata ribs indistinct, feather veined leaves of shoots large, lobed, with large petioled stipules ; thorns sometimes short and even curved (in specimens from Texas and Louisiana



Gall & Sne für Rechnung der Herren

Louis auf deren Creditbrief vom 14 Juni 1883

ren zu haben, bescheinigten dreifach für einfach gültig.

den _____ 18__

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March 22 1883

Corlaceae

1. Melanocarpa first Black & Dougl. rivularis brachyanthe
2. Erythrocarpa first red, leaves glabrous or obscurely pubescent, more so on the under side (except C. capitata) spines generally long and usually straight or almost absent; nutlets 1–5

a. Corymbosae

× glabrae Cinereae, coccinea, cordata arborescens, spathulata capitata (this is in gen. at the pubescent above)

×× pubescentes tomentosa, penetrans, tuberculosa

berberifolia (there are glabrate forms of the three first ones

6. paucifloreae

× glabrae flava

×× pubescentes glandulosa parviflora aestivalis

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North 32 — 120

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